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July 30, 2021

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Executive Director
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

**Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E**

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of June 2021.

Sincerely,

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Schedule 1

DUKE ENERGY PROGRESS
SUMMARY OF MONTHLY FUEL REPORT

Line No.	Item	JUNE 2021
1	Fuel and Fuel-related Costs excluding DERP incremental costs	\$ 131,275,019
	MWH sales:	
2	Total System Sales	5,713,975
3	Less intersystem sales	<u>688,244</u>
4	Total sales less intersystem sales	<u>5,025,731</u>
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	<u>2.6121</u>
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	<u>2.2234</u>
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	1,006,256
8	Oil	6,113
9	Natural Gas - Combustion Turbine	110,905
10	Natural Gas - Combined Cycle	1,814,906
11	Biogas	<u>1,417</u>
12	Total Fossil	<u>2,939,598</u>
13	Nuclear	2,507,300
14	Hydro - Conventional	40,539
15	Solar Distributed Generation	23,278
16	Total MWH generation	<u>5,510,715</u>

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description	JUNE 2021
Fuel and Fuel-Related Costs:	
Steam Generation - Account 501	
0501110 coal consumed - steam	\$ 34,211,182
0501310 fuel oil consumed - steam	755,089
Total Steam Generation - Account 501	34,966,271
Nuclear Generation - Account 518	
0518100 burnup of owned fuel	14,951,104
Other Generation - Account 547	
0547000 natural gas consumed - Combustion Turbine	1,019,933
0547000 natural gas capacity - Combustion Turbine	127,846
0547000 natural gas consumed - Combined Cycle	42,171,971
0547000 natural gas capacity - Combined Cycle	12,646,750
0547106 biogas consumed - Combined Cycle	44,438
0547200 fuel oil consumed	286,456
Total Other Generation - Account 547	56,297,394
Purchased Power and Net Interchange - Account 555	
Fuel and fuel-related component of purchased power	35,542,600
Fuel and fuel-related component of DERP purchases	140,341
PURPA purchased power capacity	5,684,381
DERP purchased power capacity	32,748
Total Purchased Power and Net Interchange - Account 555	41,400,070
Less:	
Fuel and fuel-related costs recovered through intersystem sales	18,573,663
Solar Integration Charge	41
Miscellaneous Fees Collected	1,800
Total Fuel Credits - Accounts 447/456	18,575,504
Total Costs Included in Base Fuel Component	\$ 129,039,335
Environmental Costs	
0509030, 0509212, 0557451 emission allowance expense	\$ 1,524
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense	2,421,939
Emission Allowance Gains	-
Less reagents expense recovered through intersystem sales - Account 447	134,092
Less emissions expense recovered through intersystem sales - Account 447	53,687
Total Costs Included in Environmental Component	2,235,684
Fuel and Fuel-related Costs excluding DERP incremental costs	\$ 131,275,019
DERP Incremental Costs	318,357
Total Fuel and Fuel-related Costs	\$ 131,593,376

Notes:

Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

DUKE ENERGY PROGRESS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Description	JUNE 2021
DERP Avoided Costs (Total Capacity and Energy)	
Purchased Power Agreements	\$ 16,106
Shared Solar Program	1,029
Total DERP Avoided Costs	\$ 17,136
DERP Incremental Costs	
Purchased Power Agreements	127
DERP NEM Incentive	194,116
Solar Rebate Program - Amortization	51,401
Solar Rebate Program - Carrying Costs	39,665
Shared Solar Program	7,344
NEM Avoided Capacity Costs	449
NEM Meter Costs	11,935
General and Administrative Expenses	13,284
Interest on under-collection due to cap	37
Total DERP Incremental Costs	\$ 318,357

Notes:

Detail amounts may not add to totals shown due to rounding.
All amounts represent SC retail.

**DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA**

Schedule 3, Purchases
Page 1 of 2

JUNE 2021

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	\$	\$	mWh	Fuel \$	Non-fuel \$
Broad River Energy, LLC	\$ 4,304,649	\$ 3,310,349	18,135	\$ 994,300	-
City of Fayetteville	885,434	899,250	-	(13,816)	-
DE Carolinas - Native Load Transfer	492,747	-	18,978	496,293	\$ (3,546)
DE Carolinas - Native Load Transfer Benefit	96,583	-	-	96,583	-
DE Carolinas - Fees	(3,491)	-	-	(3,491)	-
Haywood EMC	28,000	28,000	-	-	-
NCEMC	3,281,527	2,437,981	19,997	843,546	-
PJM Interconnection, LLC	1,931	-	-	1,931	-
Southern Company Services	8,702,973	3,087,174	162,337	5,615,799	-
Energy Imbalance	10,849	-	403	10,734	115
Generation Imbalance	2,025	-	100	1,484	541
	\$ 17,803,227	\$ 9,762,754	219,950	\$ 8,043,363	\$ (2,890)
Act 236 PURPA Purchases					
DERP Qualifying Facilities	\$ 166,179	-	4,338	\$ 166,179	-
DERP Net Metering Excess Generation	7,068	-	210	7,068	-
Other Qualifying Facilities	20,150,994	-	364,171	20,150,994	-
Renewable Energy	12,953,259	-	213,556	12,953,259	-
Competitive Procurement Renewable Energy	79,365	-	1,825	79,365	-
	\$ 33,356,865	-	584,100	\$ 33,356,865	-
Total Purchased Power	\$ 51,160,092	\$ 9,762,754	804,050	\$ 41,400,228	\$ (2,890)

NOTE: Detail amounts may not add to totals shown due to rounding.

**DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA**

Schedule 3, Sales
Page 2 of 2

JUNE 2021

Sales	Total \$	Capacity \$	mWh	Non-capacity Fuel \$	Non-fuel \$
Utilities:					
DE Carolinas - As Available Capacity	\$ 95,666	\$ 95,666	-	-	-
Market Based:					
NCEMC Purchase Power Agreement	1,011,125	652,500	9,511	\$ 256,375	\$ 102,250
PJM Interconnection, LLC	35,985	-	2,072	40,464	(4,479)
Other:					
DE Carolinas - Native Load Transfer	17,219,106	-	676,622	16,306,086	913,020
DE Carolinas - Native Load Transfer Benefit	2,158,402	-	-	2,158,402	-
Generation Imbalance	274	-	39	114	160
Total Intersystem Sales	\$ 20,520,558	\$ 748,166	688,244	\$ 18,761,441	\$ 1,010,951

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

**Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JUNE 2021**

**Schedule 4
Page 1 of 3**

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,025,730,975
2	DERP Net Metered kWh generation	Input					2,851,214
3	Adjusted System kWh sales	L1 + L2					5,028,582,189
4	Actual S.C. Retail kWh sales	Input	155,060,668	22,902,601	313,372,130	6,194,077	497,529,476
5	DERP Net Metered kWh generation	Input	1,628,659	34,899	1,187,656		2,851,214
6	Adjusted S.C. Retail kWh sales	L4 + L5	156,689,327	22,937,500	314,559,786	6,194,077	500,380,690
7	Actual S.C. Demand units (kw)	L32 / 31b *100			632,733		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					\$110,407,268
9	Eliminate avoided fuel benefit of S.C. net metering	Input					\$64,507
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					\$110,471,775
11	Adjusted Incurred System base fuel - non-capacity rate (\$/kWh)	L10 / L3 * 100					2.197
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	\$3,442,272	\$503,909	\$6,910,492	\$136,076	\$10,992,749
13	Assign 100 % of Avoided Fuel Benefit of S.C. net metering	Input	(\$29,495)	(\$4,080)	(\$30,932)	\$0	(\$64,507)
14	S.C. Retail portion of incurred system expense	L12 + L13	\$3,412,777	\$499,829	\$6,879,560	\$136,076	\$10,928,242
15	Billed base fuel - non-capacity rate (\$/kWh) - Note 1	Input	1.887	1.887	1.887	1.887	1.887
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	\$2,926,155	\$432,172	\$5,913,332	\$116,882	\$9,388,541
17	DERP NEM incentive - fuel component	Input	\$2,868	\$397	\$3,007	\$0	\$6,272
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	\$2,929,023	\$432,569	\$5,916,339	\$116,882	\$9,394,813
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L14 - L18	\$483,754	\$67,260	\$963,221	\$19,194	\$1,533,429
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	\$483,754	\$67,260	\$963,221	\$19,194	\$1,533,429
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (\$/kWh)	L23 / L4 * 100	0.539	0.505			
22b	Incurred base fuel - capacity rate (\$/kW)	L23 / L7 * 100			138		
23	Incurred S.C. base fuel - capacity expense	Input	\$835,551	\$115,575	\$876,247		\$1,827,373
24a	Billed base fuel - capacity rates by class (\$/kWh) - Note 2	Input	0.528	0.358			
24b	Billed base fuel - capacity rate (\$/kW)	Input			108		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	\$818,893	\$81,991	\$683,610	\$0	\$1,584,494
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L23 - L25	\$16,658	\$33,584	\$192,637	\$0	\$242,879
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	\$16,658	\$33,584	\$192,637	\$0	\$242,879
Environmental component of recovery							
29a	Incurred environmental rates by class (\$/kWh)	L30 / L4 * 100	0.065	0.061			
29b	Incurred environmental rate (\$/kW)	L30 / L7 * 100			17		
30	Incurred S.C. environmental expense	Input	\$101,199	\$13,998	\$106,128		\$221,325
31a	Billed environmental rates by class (\$/kWh) - Note 3	Input	0.021	0.012			
31b	Billed environmental rate (\$/kW)	Input			6		
32	Billed S.C. environmental revenue	L31a * L4 /100	\$32,325	\$2,748	\$37,964		\$73,037
33	S.C. environmental (over)/under recovery [See footnote]	L30 - L32	\$68,874	\$11,250	\$68,164	\$0	\$148,288
34	Adjustment	Input					
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	\$68,874	\$11,250	\$68,164	\$0	\$148,288
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (\$/kWh)	L37 / L4 * 100	0.005	0.005			
36b	Incurred S.C. DERP avoided cost rates by class (\$/kW)	L37 / L7 * 100			1		
37	Incurred S.C. DERP avoided cost expense	Input	\$7,835	\$1,084	\$8,217		\$17,136
38a	Billed S.C. DERP avoided cost rates by class (\$/kWh) - Note 4	Input	0.002	0.001			
38b	Billed S.C. DERP avoided cost rates by class (\$/kW)	Input			2		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	\$3,079	\$229	\$12,665		\$15,973
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L37 - L39	\$4,756	\$855	(\$4,448)	\$0	\$1,163
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	\$4,756	\$855	(\$4,448)	\$0	\$1,163
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	\$574,042	\$112,949	\$1,219,574	\$19,194	\$1,925,759

**Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JUNE 2021**

**Schedule 4
Page 2 of 3**

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY

Balance ending February 2021

March 2021 - actual

April 2021 - actual

May 2021 - actual

June 2021 - actual

July 2021 - forecast

August 2021 - forecast

September 2021 - forecast

October 2021 - forecast

November 2021 - forecast

December 2021 - forecast

January 2022 - forecast

February 2022 - forecast

March 2022 - forecast

April 2022 - forecast

May 2022 - forecast

June 2022 - forecast

Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
\$10,892,003					
10,684,199	(89,214)	(9,718)	(106,292)	(2,580)	(\$207,804)
10,033,278	(193,518)	(28,845)	(420,114)	(8,444)	(650,921)
12,543,282	711,542	104,099	1,658,133	36,230	2,510,004
14,076,711	483,754	67,260	963,221	19,194	1,533,429
13,970,284	(37,515)	(4,557)	(62,873)	(1,482)	(106,427)
13,491,553	(167,793)	(20,547)	(283,722)	(6,669)	(478,731)
12,214,423	(443,739)	(55,077)	(760,303)	(18,011)	(1,277,130)
10,068,835	(647,256)	(99,056)	(1,366,754)	(32,522)	(2,145,588)
8,882,743	(361,754)	(54,473)	(751,806)	(18,059)	(1,186,092)
8,280,172	(222,566)	(25,132)	(346,559)	(8,314)	(602,571)
8,672,336	159,411	15,390	212,283	5,080	392,164
8,267,508	(167,326)	(15,692)	(216,637)	(5,173)	(404,828)
7,299,181	(363,834)	(39,964)	(551,364)	(13,165)	(968,327)
5,623,500	(529,523)	(75,811)	(1,045,401)	(24,946)	(1,675,681)
4,788,286	(250,555)	(38,682)	(533,251)	(12,726)	(835,214)
\$4,552,248	(79,567)	(10,344)	(142,742)	(3,385)	(\$236,038)

Cumulative (over) / under recovery - BASE FUEL CAPACITY

Balance ending February 2021

March 2021 - actual

April 2021 - actual

May 2021 - actual

June 2021 - actual

July 2021 - forecast

August 2021 - forecast

September 2021 - forecast

October 2021 - forecast

November 2021 - forecast

December 2021 - forecast

January 2022 - forecast

February 2022 - forecast

March 2022 - forecast

April 2022 - forecast

May 2022 - forecast

June 2022 - forecast

Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
\$5,044,753					
5,042,812	(143,103)	39,099	102,063	0	(\$1,941)
5,585,129	186,048	61,096	295,173	0	542,317
6,269,253	303,937	64,155	316,032	0	684,124
6,512,133	16,658	33,584	192,637	1	242,880
5,823,469	(200,367)	(41,994)	(446,303)	0	(688,664)
5,111,731	(208,260)	(44,563)	(458,915)	0	(711,738)
4,562,483	(140,523)	(35,726)	(372,999)	0	(549,248)
4,246,507	107,935	(24,463)	(399,448)	0	(315,976)
4,042,884	109,937	(19,117)	(294,443)	0	(203,623)
3,389,234	(187,591)	(28,902)	(437,157)	0	(653,650)
2,527,370	(414,192)	(38,137)	(409,535)	0	(861,864)
1,738,542	(404,655)	(32,179)	(351,994)	0	(788,828)
1,410,173	(104,152)	(13,752)	(210,465)	0	(328,369)
1,293,229	141,531	(10,813)	(247,662)	0	(116,944)
1,263,154	179,900	(12,579)	(197,396)	0	(30,075)
\$1,022,641	(14,741)	(22,970)	(202,802)	0	(\$240,513)

Cumulative (over) / under recovery - ENVIRONMENTAL

Balance ending February 2021

March 2021 - actual

April 2021 - actual

May 2021 - actual

June 2021 - actual

July 2021 - forecast

August 2021 - forecast

September 2021 - forecast

October 2021 - forecast

November 2021 - forecast

December 2021 - forecast

January 2022 - forecast

February 2022 - forecast

March 2022 - forecast

April 2022 - forecast

May 2022 - forecast

June 2022 - forecast

Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
(\$348,874)					
(370,923)	(10,494)	1,297	(12,852)	0	(\$22,049)
(417,815)	(19,133)	(856)	(26,903)	0	(46,892)
(364,529)	28,726	5,234	19,326	0	53,286
(216,241)	68,874	11,250	68,164	0	148,288
(119,221)	55,543	5,160	36,317	0	97,020
(46,223)	44,739	3,598	24,661	0	72,998
(43,921)	11,439	(811)	(8,326)	0	2,302
(85,604)	(6,768)	(3,481)	(31,434)	0	(41,683)
(107,246)	681	(2,201)	(20,122)	0	(21,642)
(51,421)	35,741	2,943	17,141	0	55,825
154,348	102,362	12,362	91,045	0	205,769
325,844	86,395	10,192	74,909	0	171,496
311,640	2,343	(1,658)	(14,889)	0	(14,204)
281,307	(3,028)	(2,735)	(24,570)	0	(30,333)
255,642	(1,411)	(2,568)	(21,686)	0	(25,665)
\$282,595	21,526	671	4,756	0	\$26,953

Cumulative (over) / under recovery - DERP AVOIDED COSTS

Balance ending February 2021

March 2021 - actual

April 2021 - actual

May 2021 - actual

June 2021 - actual

July 2021 - forecast

August 2021 - forecast

September 2021 - forecast

October 2021 - forecast

November 2021 - forecast

December 2021 - forecast

January 2022 - forecast

February 2022 - forecast

March 2022 - forecast

April 2022 - forecast

May 2022 - forecast

June 2022 - forecast

Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
(\$19,309)					
(30,648)	(799)	179	(10,719)	0	(\$11,339)
(32,187)	3,561	690	(5,790)	0	(1,539)
(27,598)	6,523	1,049	(2,983)	0	4,589
(26,435)	4,756	855	(4,448)	0	1,163
(28,265)	(115)	(178)	(1,537)	0	(1,830)
(30,657)	(355)	(222)	(1,815)	0	(2,392)
(33,174)	(453)	(233)	(1,831)	0	(2,517)
(34,561)	975	(182)	(2,180)	0	(1,387)
(36,774)	282	(239)	(2,256)	0	(2,213)
(42,520)	(1,928)	(344)	(3,474)	0	(5,746)
(49,033)	(3,123)	(367)	(3,023)	0	(6,513)
(54,565)	(2,828)	(297)	(2,407)	0	(5,532)
(55,986)	(368)	(105)	(948)	0	(1,421)
(54,186)	2,064	31	(295)	0	1,800
(48,397)	3,882	237	1,670	0	5,789
(\$47,817)	867	(76)	(211)	0	\$580

**Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
JUNE 2021**

Schedule 4
Page 3 of 3

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurring S.C. DERP incremental expense	Input	\$145,566	\$105,056	\$67,735	\$318,357
45	Billed S.C. DERP incremental rates by account (\$/account)	Input	1.00	3.67	99.50	
46	Billed S.C. DERP incremental revenue	Input	\$140,802	\$120,438	\$26,795	\$288,035
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	4,764	(\$15,382)	\$40,940	\$30,322
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	\$4,764	(\$15,382)	\$40,940	\$30,322

	Cumulative	Total Residential	Commercial	Industrial	Total
Cumulative (over) / under recovery					
Balance ending February 2021	\$173,595				
March 2021 - actual	164,763	(14,575)	(29,089)	\$34,832	(\$8,832)
April 2021 - actual	179,864	(2,281)	(20,080)	\$37,462	15,101
May 2021 - actual	197,477	(1,273)	(19,497)	38,383	17,613
June 2021 - actual	227,799	4,764	(15,382)	40,940	30,322
July 2021 - forecast	273,597	20,941	15,113	9,744	45,798
August 2021 - forecast	320,764	21,567	15,565	10,035	47,167
September 2021 - forecast	370,772	22,866	16,502	10,640	50,008
October 2021 - forecast	423,073	23,914	17,259	11,128	52,301
November 2021 - forecast	475,141	23,808	17,182	11,078	52,068
December 2021 - forecast	525,576	23,061	16,643	10,731	50,435
January 2022 - forecast	563,862	17,506	12,634	8,146	38,286
February 2022 - forecast	602,618	17,721	12,789	8,246	38,756
March 2022 - forecast	644,233	19,028	13,733	8,854	41,615
April 2022 - forecast	687,228	19,659	14,188	9,148	42,995
May 2022 - forecast	731,316	20,159	14,549	9,380	44,088
June 2022 - forecast	\$774,180	19,599	14,145	9,120	\$42,864

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.

Under collections, or regulatory assets, are shown as positive amounts.

- _/1 Total residential billed fuel non-capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of 1.901 and RECD 5% discount.
- _/2 Total residential billed fuel capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of .532 and RECD 5% discount.
- _/3 Total residential billed environmental rate is a composite rate reflecting the 7/1/20 approved residential rate of .021 and RECD 5% discount.
- _/4 Total residential billed DERP avoided capacity rate is a composite rate reflecting the 7/1/20 approved residential rate of .002 and RECD 5% discount.

**Duke Energy Progress
Fuel and Fuel Related Cost Report
JUNE 2021**

Schedule 5
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Description	Mayo Steam	Roxboro Steam	Asheville CC/CT	Smith Energy Complex CC/CT	Sutton CC/CT	Lee CC	Blewett CT
Cost of Fuel Purchased (\$)							
Coal	\$95,035	\$9,787,627	-	-	-	-	-
Oil	410,016	626,358	-	-	-	-	-
Gas - CC	-	-	\$9,457,945	\$19,577,639	\$11,112,986	\$14,670,151	-
Gas - CT	-	-	206,670	146,712	251,314	-	-
Biogas	-	-	-	312,708	-	-	-
Total	\$505,051	\$10,413,985	\$9,664,615	\$20,037,059	\$11,364,300	\$14,670,151	-
Average Cost of Fuel Purchased (¢/MBTU)							
Coal	-	262.60	-	-	-	-	-
Oil	1,448.77	1,485.85	-	-	-	-	-
Gas - CC	-	-	431.62	343.10	455.85	386.23	-
Gas - CT	-	-	440.65	383.51	739.35	-	-
Biogas	-	-	-	2,895.98	-	-	-
Weighted Average	1,784.57	276.29	431.81	348.16	459.75	386.23	-
Cost of Fuel Burned (\$)							
Coal	\$5,720,781	\$28,490,401	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	295,991	459,099	\$1,429	-	-	-	\$7,639
Gas - CC	-	-	9,457,945	\$19,577,639	\$11,112,986	\$14,670,151	-
Gas - CT	-	-	206,670	146,712	251,314	-	-
Biogas	-	-	-	312,708	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	\$6,016,772	\$28,949,500	\$9,666,044	\$20,037,059	\$11,364,300	\$14,670,151	\$7,639
Average Cost of Fuel Burned (¢/MBTU)							
Coal	371.28	317.81	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	1,371.85	1,385.54	1,570.33	-	-	-	1,682.60
Gas - CC	-	-	431.62	343.10	455.85	386.23	-
Gas - CT	-	-	440.65	383.51	739.35	-	-
Biogas	-	-	-	2,895.98	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	385.10	321.74	431.86	348.16	459.75	386.23	1,682.60
Average Cost of Generation (¢/kWh)							
Coal	4.50	3.24	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	16.62	14.22	14.00	-	-	-	-
Gas - CC	-	-	2.93	3.00	3.39	2.88	-
Gas - CT	-	-	3.94	0.17	7.17	-	-
Biogas	-	-	-	22.07	-	-	-
Nuclear	-	-	-	-	-	-	-
Weighted Average	4.66	3.28	2.94	2.70	3.43	2.88	-
Burned MBTU's							
Coal	1,540,825	8,964,574	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	21,576	33,135	91	-	-	-	454
Gas - CC	-	-	2,191,260	5,706,149	2,437,879	3,798,319	-
Gas - CT	-	-	46,901	38,255	33,991	-	-
Biogas	-	-	-	10,798	-	-	-
Nuclear	-	-	-	-	-	-	-
Total	1,562,401	8,997,709	2,238,252	5,755,202	2,471,870	3,798,319	454
Net Generation (mWh)							
Coal	127,218	879,039	-	-	-	-	-
Oil - CC	-	-	-	-	-	-	-
Oil - Steam/CT	1,781	3,228	10	-	-	-	(12)
Gas - CC	-	-	323,181	653,369	328,286	510,070	-
Gas - CT	-	-	5,252	88,556	3,503	-	-
Biogas	-	-	-	1,417	-	-	-
Nuclear	-	-	-	-	-	-	-
Hydro (Total System)	-	-	-	-	-	-	-
Solar (Total System)	-	-	-	-	-	-	-
Total	128,999	882,267	328,443	743,342	331,789	510,070	(12)
Cost of Reagents Consumed (\$)							
Ammonia	\$54,642	\$272,908	-	\$20,391	-	-	-
Limestone	288,998	1,313,747	-	-	-	-	-
Re-emission Chemical	-	-	-	-	-	-	-
Sorbents	149,046	324,244	-	-	-	-	-
Urea	-	-	-	-	-	-	-
Total	\$492,686	\$1,910,899	-	\$20,391	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

**Duke Energy Progress
Fuel and Fuel Related Cost Report
JUNE 2021**

**Schedule 5
Page 2 of 2**

Description	Darlington CT	Wayne County CT	Weatherspoon CT	Brunswick Nuclear	Harris Nuclear	Robinson Nuclear	Current Month	Total 12 ME JUNE 2021
Cost of Fuel Purchased (\$)								
Coal	-	-	-	-	-	-	\$9,882,662	\$240,930,752
Oil	-	-	-	-	-	-	1,036,374	6,946,319
Gas - CC	-	-	-	-	-	-	54,818,721	553,235,009
Gas - CT	-	\$543,040	\$43	-	-	-	1,147,779	58,845,301
Biogas	-	-	-	-	-	-	312,708	4,374,025
Total	-	\$543,040	\$43	-	-	-	\$67,198,244	\$864,331,406
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	265.15	340.74
Oil	-	-	-	-	-	-	1,470.95	1,335.83
Gas - CC	-	-	-	-	-	-	387.86	387.85
Gas - CT	-	330.95	-	-	-	-	405.24	339.69
Biogas	-	-	-	-	-	-	2,895.98	2,842.29
Weighted Average	-	330.95	-	-	-	-	368.71	373.61
Cost of Fuel Burned (\$)								
Coal	-	-	-	-	-	-	\$34,211,182	\$331,671,488
Oil - CC	-	-	-	-	-	-	-	4,324
Oil - Steam/CT	-	\$196,342	\$81,046	-	-	-	1,041,546	14,761,444
Gas - CC	-	-	-	-	-	-	54,818,721	553,235,009
Gas - CT	-	543,040	43	-	-	-	1,147,779	58,845,301
Biogas	-	-	-	-	-	-	312,708	4,374,025
Nuclear	-	-	-	\$7,813,219	\$3,815,116	\$3,322,769	14,951,104	168,956,771
Total	-	\$739,382	\$81,089	\$7,813,219	\$3,815,116	\$3,322,769	\$106,483,040	\$1,131,848,362
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	325.65	350.41
Oil - CC	-	-	-	-	-	-	-	1,572.36
Oil - Steam/CT	-	1,742.01	1,590.70	-	-	-	1,454.23	1,494.88
Gas - CC	-	-	-	-	-	-	387.86	387.85
Gas - CT	-	330.95	-	-	-	-	405.24	339.69
Biogas	-	-	-	-	-	-	2,895.98	2,842.29
Nuclear	-	-	-	54.89	60.30	57.90	56.85	56.50
Weighted Average	-	421.65	1,591.54	54.89	60.30	57.90	207.55	204.01
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.40	4.04
Oil - CC	-	-	-	-	-	-	-	15.80
Oil - Steam/CT	-	21.14	45.79	-	-	-	17.04	23.67
Gas - CC	-	-	-	-	-	-	3.02	2.77
Gas - CT	-	3.94	-	-	-	-	1.03	3.88
Biogas	-	-	-	-	-	-	22.07	20.38
Nuclear	-	-	-	0.58	0.63	0.60	0.60	0.59
Weighted Average	-	5.03	45.81	0.58	0.63	0.60	1.93	1.90
Burned MBTU's								
Coal	-	-	-	-	-	-	10,505,399	94,651,595
Oil - CC	-	-	-	-	-	-	-	275
Oil - Steam/CT	-	11,271	5,095	-	-	-	71,622	987,465
Gas - CC	-	-	-	-	-	-	14,133,607	142,641,905
Gas - CT	-	164,085	-	-	-	-	283,232	17,323,201
Biogas	-	-	-	-	-	-	10,798	153,891
Nuclear	-	-	-	14,234,091	6,327,346	5,738,313	26,299,750	299,031,428
Total	-	175,356	5,095	14,234,091	6,327,346	5,738,313	51,304,408	554,789,760
Net Generation (MWh)								
Coal	-	-	-	-	-	-	1,006,256	8,213,649
Oil - CC	-	-	-	-	-	-	-	27
Oil - Steam/CT	-	929	177	-	-	-	6,113	62,355
Gas - CC	-	-	-	-	-	-	1,814,906	19,991,585
Gas - CT	(175)	13,769	-	-	-	-	110,905	1,515,391
Biogas	-	-	-	-	-	-	1,417	21,463
Nuclear	-	-	-	1,348,094	605,624	553,582	2,507,300	28,689,317
Hydro (Total System)	-	-	-	-	-	-	40,539	885,063
Solar (Total System)	-	-	-	-	-	-	23,278	249,211
Total	(175)	14,698	177	1,348,094	605,624	553,582	5,510,715	59,628,062
Cost of Reagents Consumed (\$)								
Ammonia	-	-	-	-	-	-	\$347,941	\$2,116,495
Limestone	-	-	-	-	-	-	1,602,745	9,327,134
Re-emission Chemical	-	-	-	-	-	-	-	0
Sorbents	-	-	-	-	-	-	473,290	3,663,086
Urea	-	-	-	-	-	-	-	0
Total	-	-	-	-	-	-	\$2,423,976	\$15,106,715

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
JUNE 2021

Schedule 6
Page 1 of 2

Description	Mayo	Roxboro	Asheville	Smith Energy Complex	Sutton	Lee	Blewett
Coal Data:							
Beginning balance	256,013	840,216	-	-	-	-	-
Tons received during period	-	147,937	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons burned during period	62,098	358,419	-	-	-	-	-
Ending balance	193,915	629,734	-	-	-	-	-
MBTUs per ton burned	24.81	25.01	-	-	-	-	-
Cost of ending inventory (\$/ton)	92.13	79.48	-	-	-	-	-
Oil Data:							
Beginning balance	194,864	366,029	4,476,350	6,659,092	2,450,460	-	704,111
Gallons received during period	205,077	305,470	-	-	-	-	-
Miscellaneous use and adjustments	(1,635)	(14,893)	-	-	-	-	-
Gallons burned during period	156,328	240,549	664	-	-	-	3,229
Ending balance	241,978	416,057	4,475,686	6,659,092	2,450,460	-	700,883
Cost of ending inventory (\$/gal)	1.89	1.91	2.15	2.33	2.80	-	2.37
Natural Gas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	2,162,004	5,548,589	2,387,302	3,668,391	-
MCF burned during period	-	-	2,162,004	5,548,589	2,387,302	3,668,391	-
Ending balance	-	-	-	-	-	-	-
Biogas Data:							
Beginning balance	-	-	-	-	-	-	-
MCF received during period	-	-	-	10,424	-	-	-
MCF burned during period	-	-	-	10,424	-	-	-
Ending balance	-	-	-	-	-	-	-
Limestone/Lime Data:							
Beginning balance	16,277	68,953	-	-	-	-	-
Tons received during period	7,446	(7,141)	-	-	-	-	-
Inventory adjustments	-	-	-	-	-	-	-
Tons consumed during period	4,995	20,200	-	-	-	-	-
Ending balance	18,728	41,612	-	-	-	-	-
Cost of ending inventory (\$/ton)	57.21	64.06	-	-	-	-	-

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Gas is burned as received; therefore, inventory balances are not maintained.

The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Schedule 7

**DUKE ENERGY PROGRESS
ANALYSIS OF COAL PURCHASED
JUNE 2021**

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
MAYO	SPOT	-	-	-
	CONTRACT	-	-	-
	FIXED TRANSPORTATION/ADJUSTMENTS	-	\$ 95,035	-
	TOTAL	-	\$ 95,035	-
ROXBORO	SPOT	-	-	-
	CONTRACT	147,937	\$ 9,144,221	\$ 61.81
	FIXED TRANSPORTATION/ADJUSTMENTS	-	643,406	-
	TOTAL	147,937	\$ 9,787,627	\$ 66.16
ALL PLANTS	SPOT	-	\$ -	-
	CONTRACT	147,937	9,144,221	\$ 61.81
	FIXED TRANSPORTATION/ADJUSTMENTS	-	738,441	-
	TOTAL	147,937	\$ 9,882,662	\$ 66.80

Schedule 8

DUKE ENERGY PROGRESS
ANALYSIS OF COAL QUALITY RECEIVED
JUNE 2021

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
MAYO	-	-	-	-
ROXBORO	6.60	9.57	12,597	1.56

DUKE ENERGY PROGRESS
ANALYSIS OF OIL PURCHASED
JUNE 2021

	MAYO	ROXBORO
VENDOR	Greensboro Tank Farm & Indigo	Greensboro Tank Farm & Indigo
SPOT/CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	205,077	305,470
TOTAL DELIVERED COST	\$ 410,016	\$ 626,358
DELIVERED COST/GALLON	\$ 2.00	\$ 2.05
BTU/GALLON	138,000	138,000

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2020 - June, 2021
Nuclear Units

<u>Unit Name</u>	<u>Net Generation (mWh)</u>	<u>Capacity Rating (mW)</u>	<u>Capacity Factor (%)</u>	<u>Equivalent Availability (%)</u>
Brunswick 1	7,615,494	938	92.68	90.79
Brunswick 2	7,320,309	932	89.66	89.56
Harris 1	7,737,799	964	91.63	90.16
Robinson 2	6,015,715	759	90.48	89.63

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2020 through June, 2021
Combined Cycle Units**

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	944,847	225	47.94	60.90
Lee Energy Complex	1B	861,861	227	43.34	55.40
Lee Energy Complex	1C	1,046,970	228	52.42	66.57
Lee Energy Complex	ST1	1,938,511	379	58.39	77.94
Lee Energy Complex	Block Total	4,792,189	1,059	51.66	67.04
Smith Energy Complex	7	1,070,253	194	63.14	76.98
Smith Energy Complex	8	1,037,457	194	61.20	76.52
Smith Energy Complex	ST4	1,224,425	183	76.38	83.77
Smith Energy Complex	9	1,310,767	216	69.43	83.24
Smith Energy Complex	10	1,329,431	216	70.42	84.18
Smith Energy Complex	ST5	1,704,008	250	77.81	93.24
Smith Energy Complex	Block Total	7,676,341	1,251	70.05	83.46
Sutton Energy Complex	1A	1,230,300	224	62.70	77.71
Sutton Energy Complex	1B	1,236,585	224	63.02	78.09
Sutton Energy Complex	ST1	1,512,412	271	63.71	86.41
Sutton Energy Complex	Block Total	3,979,297	719	63.18	81.10
Asheville CC	ACC CT5	1,128,513	191	67.63	83.05
Asheville CC	ACC CT7	1,245,366	191	74.63	79.75
Asheville CC	ACC ST6	563,454	90	71.47	73.43
Asheville CC	ACC ST8	627,916	90	79.64	84.06
Asheville CC	Block Total	3,565,249	561	72.55	80.57

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2020 through June, 2021**

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,300,510	730	20.35	38.06
Roxboro 2	2,460,760	673	41.74	83.49
Roxboro 3	2,386,052	698	39.02	72.71
Roxboro 4	1,373,868	711	22.06	57.83

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2020 through June, 2021
Other Cycling Steam Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Roxboro 1	711,385	380	21.37	91.39

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
July, 2020 through June, 2021
Combustion Turbine Stations**

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	80,906	358	92.15
Blewett CT	57	68	77.64
Darlington CT	1,738	265	87.84
Smith Energy Complex CT	1,136,832	947	86.82
Sutton Fast Start CT	39,650	98	90.74
Wayne County CT	299,054	961	93.14
Weatherspoon CT	583	164	98.00

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data**

SCHEDULE 10
PAGE 6 of 6

**Twelve Month Summary
July, 2020 through June, 2021
Hydroelectric Stations**

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	96,819	27.0	58.01
Marshall	-130	4.0	47.57
Tillery	294,990	84.5	89.60
Walters	493,384	113.0	63.83

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.